

Product Evaluation

PRODUCT INFORMATION

PRODUCT NAME: BMP-TRMP (BMP Synthetic Turf Reinforcement Mat – Polypropylene) – Made in Alberta

WEBSITE: <https://www.bmpsupsupplies.com/>

MANUFACTURER: BMP Supplies, County of Newell, Alberta

SUPPLIER: BMP Supplies Inc., Surrey, BC and Calgary, AB

DESCRIPTION:

BMP-TRMP is a permanent, high-performance Turf Reinforcement Mat (TRM) designed for erosion control on steep slopes and in high-shear channels where temporary biodegradable erosion control blankets cannot provide adequate long-term protection. BMP-TRMP is manufactured from 100% UV-stabilized polypropylene, providing permanent structural reinforcement of vegetation root systems. The open matrix construction (81% ground cover) promotes rapid seed germination and plant establishment while providing immediate protection against erosive forces.

POTENTIAL USAGE:

BMP-TRMP Applications include but are not limited to steep slope stabilization (grades steeper than 3:1 H:V), high-velocity channel and ditch lining, culvert outlet protection, streambank stabilization, and permanent revegetation support for roadside embankments and infrastructure corridors.

DISCLAIMER: The product descriptions and potential usage outlined in this section are based solely on the manufacturer's claims. Transportation and Economic Corridors does not verify or endorse these claims.

ALBERTA TRANSPORTATION AND ECONOMIC CORRIDORS COMMENTS

EXPERIENCE

Transportation and Economic Corridors has experience with similar products from various manufacturers.

APPLICABLE STANDARDS

Alberta Transportation and Economic Corridors standard for Rolled Erosion Control Products (RECP) is documented in AT Products List and Erosion and Sediment Control Manual BMP#13.

RECOMMENDATIONS

BMP-TRMP be listed as a Potential Product under Alberta Transportation Products List, Erosion and Sediment Control Systems – Permanent RECPS – Turf Reinforcement Mats (TRM) – Type C - Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat:

1. To be used at location with design flow velocity not exceeding 1.65m/sec (5.41 ft/sec).

TRIAL PROJECTS

Rishi Adhikari

cc New Products Evaluation Group – Kristen Tappenden